

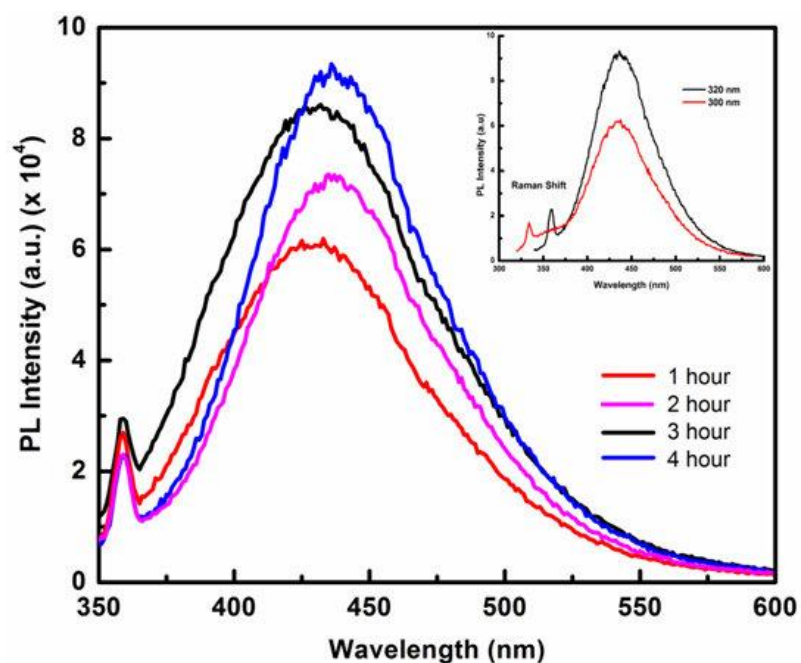
## **Supplementary Information**

### **Medicinal Plant Leaf Extract and Pure Flavonoid Mediated Green Synthesis of Silver Nanoparticles and their Enhanced Antibacterial Property**

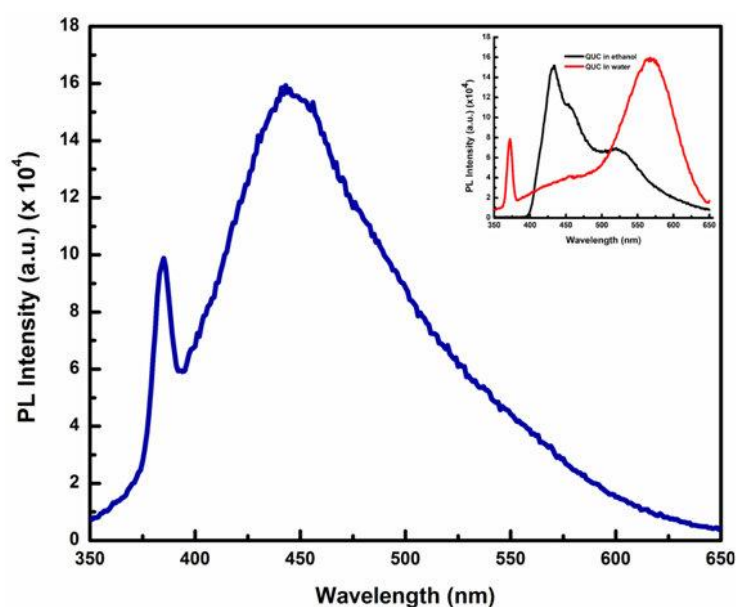
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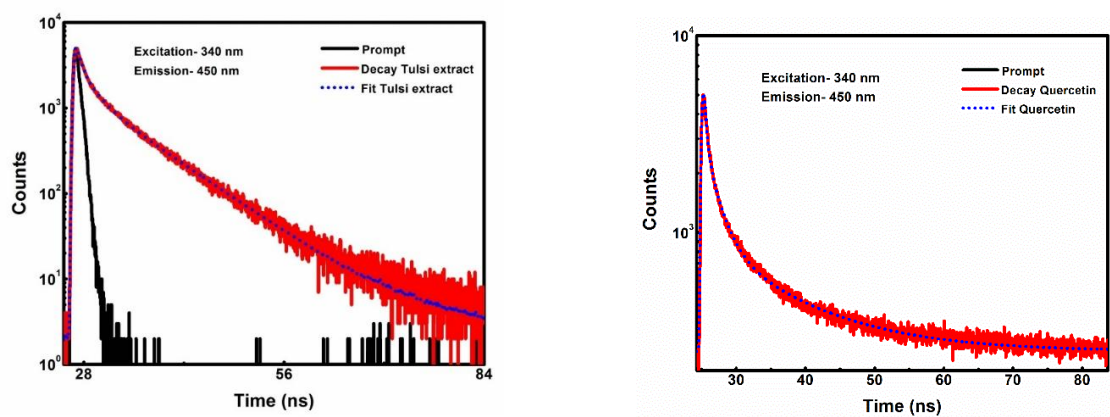
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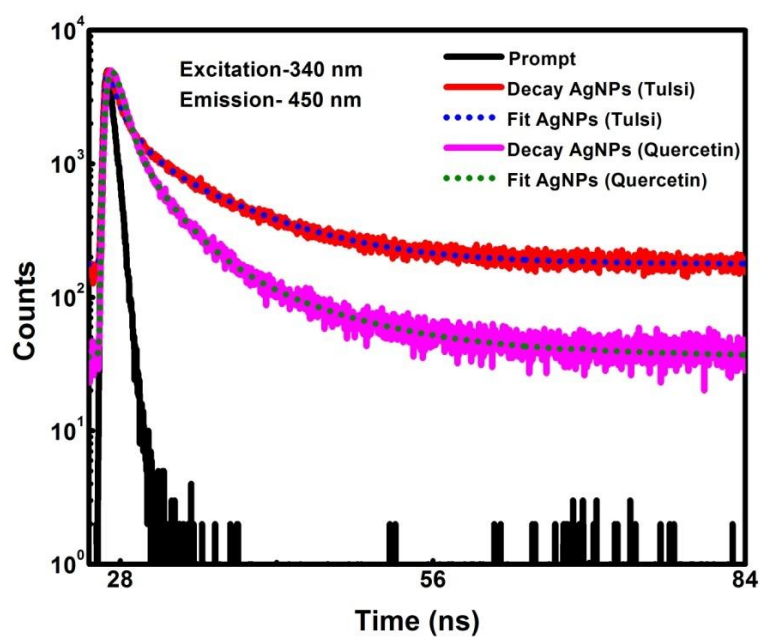
**Figure S1:** PL spectra of AgNPs at different time interval obtained using tulsi extract and silver salt. The inset figure shows the Raman shift of water peak (the smaller peak).



**Figure S2:** PL spectra of AgNPs in water, obtained using quercetin solution and a silver salt. The inset shows the PL spectra of neat quercetin in water and ethanol, respectively.



**Figure S3:** PL decay profiles of fresh Tulsi extract (left) and neat quercetin in water (right).



**Figure S4:** PL decay profiles of AgNPs in water prepared using Tulsi extract and quercetin as precursors.